

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IFW

Applicant: Lautt et al. Examiner: Unknown
Serial No.: 10/502,065 Group Art Unit: 1615
Filed: July 21, 2004 Docket: 14233.17USWO
Title: USE OF GLUTATHIONE SYNTHESIS STIMULATING COMPOUNDS IN REDUCING
INSULIN RESISTANCE

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 May _____, 2005.

By: _____
Name: _____

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

23552

PATENT TRADEMARK OFFICE

Sir:

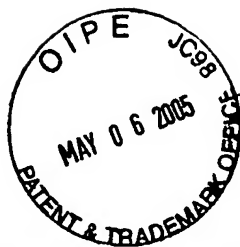
We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Information Disclosure Statement, Form 1449, 19 Reference(s)
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
612.332.5300

By: Ronald A. Daignault
Name: Ronald A. Daignault
Reg. No.: 25,968
RAD/BRD/mls



S/N 10/502,065

PATENT

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INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked


as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Date: 5/6/2005


Ronald A. Daignault
Reg. No. 25,968
RDaignault:BRD:mls



FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14233.17USWO	Application Number: 10/502,065
	Applicant: Lauth et al.	
	Filing Date: July 21, 2004	Group Art Unit: 1615

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/07575	02/17/2000	PCT				
	WO 00/19992	04/13/2000	PCT				
	WO 92/18002	10/29/1992	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Czech et al., (1978) "Insulin Response in Skeletal Muscle and Fat Cells of the Genetically Obese Zucker Rat", <i>Metabolism</i> , Vo. 27, No. 12, Suppl. 2 (December) pp 1967-1981.
	De Mattia et al., (1998) "Influence of Reduced Glutathione Infusion of Glucose Metabolism in Patients With Non-Insulin-Dependent Diabetes Mellitus", <i>Metabolism</i> , Vo. 47, No. 8 (August) pp 993-997.
	Dowell et al., (1999) "Decreased basal despite enhanced agonist-stimulated effects of nitric oxide in 12-week-old stroke-prone spontaneously hypertensive rate", <i>European Journal of Pharmacology</i> , 379: 175-182.
	Khamaisi et al., (2000) "Effect of inhibition of glutathione synthesis on insulin action: <i>in vivo</i> and <i>in vitro</i> studies using buthionine sulfoximine", <i>Biochem. J.</i> , 349: 579-586.

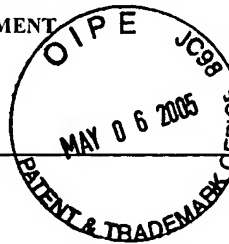
23552

PATENT TRADEMARK OFFICE

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14233.17USWO	Application Number: 10/502,065
	Applicant: Lutt et al. Filing Date: July 21, 2004	
		Group Art Unit: 1615



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Khamaisi et al., (1997) "Lipoic Acid Reduces Glycemia and Increases Muscle GLUT4 Content in Streptozotocin-Diabetic Rats", <i>Metabolism</i> , Vo. 46, No. 7 (July): pp 763-768.
		Lutt et al., (1998) "Rapid insulin sensitivity test (RIST)", <i>Can. J. Physiol. Pharmacol.</i> , 76: 1080-1086.
		Lutt (1999) "The HISS story overview: a novel hepatic neurohumoral regulation of peripheral insulin sensitivity in health and diabetics" <i>Can. J. Physiol. Pharmacol.</i> , 77: 553-562.
		Marinho et al., (1997) "Glutathione metabolism in hepatomas liver of rats treated with diethylnitrosamine", <i>Biochimica et Biophysica Acta</i> , 1360: 157-158.
		Modan et al., (1985) "Hyperinsulinemia", <i>J. Clin. Invest.</i> , Vol. 75, pp 809-817.
		Petrie et al., (1996) "Endothelial Nitric Oxide Production and Insulin Sensitivity", <i>Circulation</i> , 93: 1331-1333.
		Rett et al, (1996) "Alpha-Liponsäure (Thioctsäure) steigert die Insulinempfindlichkeit übergewichtiger Patienten mit Typ-II-Diabetes", <i>Diabetes Und Stoffwechsel</i> 5, Supplement-Heft 3: 59-63.
		Sadri et al., (1999) "Blockade of hepatic nitric oxide synthase causes insulin resistance", <i>Am. J. Physiol.</i> 277: G101-G108.
		Schrammel et al., (1998) "Activation of Soluble Guanylyl Cyclase by the Nitrovasodilator 3-Morpholinosydnonimine Involves Formation of S-Nitrosoglutathione", <i>Molecular Pharmacology</i> , 54: 207-212.
		Wang et al., (1998) "Evidence of nitric oxide, a flow-dependent factor, being a trigger of liver regeneration in rats", <i>Can. J. Physiol. Pharmacol.</i> 76: 1072-1079.
		Xie et al., (1996) "Insulin resistance of skeletal muscle produced by hepatic parasympathetic interruption", <i>Am. J. Physiol.</i> , 270: E858-E863.
		Young et al. (1998) "Evidence for altered sensitivity of the nitric oxide/cGMP signalling cascade in insulin-resistant skeletal muscle", <i>Biochem. J.</i> , 329: 73-79.

EXAMINER	DATE CONSIDERED
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